FIGURE 1

FIGURE

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H A H A A K C A C R K R R L A E B C **EDYRLEYG**

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EDYRLEY
 GPHHHCMP4CHP4CP O KHYSTY G PKPCKCHGG TAMALLGALARMA< A P H L R A A A A C H L H L A C B D B E H A F A J O B M K H O M K D D GUNKAHGLALAREGEO OHNOHOHAPHANDANAO T T A C T T C A C T T L C A C L L C A C L L C A C L L C A C L L C A C L L C A C L C A NO CELO LA RACATA DO CO LA OAUKIHAAGORKHCIRKU エの兄ととなるまたに入る人によけるゴエ LEVERNAVERGALHELCAV

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FIGURE 3

| 60 120 180 240 300 300 360 420 420 480 480 720 720 780 1080 1140 1200 1380 | 141 |
|---|-------|
| CACTICAGCGATIGACTTTGGCTCTGCCGTCCTCCTCCAGGGGGTCAAGCAGGAGCTCCAGGCCCAGGAGCTCAGGCGGGGTCAAGCAGGAGCTCCAGGGGGGGTCAAGCAAG | |
| 1 21 21 81 81 121 121 121 721 721 901 141 201 201 201 | ı m m |

4

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100 120 140 160 200 220 220 220 220 220 320 330 340 340 340 440 O O N N K O A A N K A K L H K C L M H L GSCTAAKARKTAAKARCE HPPRICABSADHOLLSGHH C R R R R C C L D C C C D B S PARHHUMPACHKRSPUHRKA SKUVZSCSAHAKCLVXBH **POXLXPXPXKCH**UFFFFPCGPXで H G R A C H R E G C L A H E H E H C L C L ирикрнагрганапприкапч L D A C L B O F O S A E A F F A B A C A C B K O H S H S D S A L L A M C D S D H G G P M L S L R R C K C H M D C G L N L O H NAPULCTVACORTRATENTACGE **なに対対の対すれになられてよりのますらずな**

FIGURE 5A

| 13 | 35 | 60 | 85 |
|--------|--|---|---|
| 13 | 35 | 60 | 85 |
| 25 | 50 | 72 | 97 |
| | FGIGVENFITLVVFGN 5 TOTAL TELLGTVGN 3 TOTAL TELLGTVGN 3 | G L V L A V L L Q P G P S A W Q E P G S T T D L F G L V L A V L L Q P G P S A W Q E P S S T T D L F 6 S L V I T V L A R S K P G K P R S T T N L F 7 | I L N L A V A D L C F I L C C V P F Q A T I Y T L I L N L A V A D L C F I L C C V P F Q A A I Y T L I L N L S I A D L A Y L L F C I P F Q A T V Y A L I L N L S I A D L A Y L L F C I P F Q A T V Y A L |
| hGALR3 | hGALR3 | hGALR3 | hGALR3 |
| rGALR3 | rGALR3 | rGALR3 | rGALR3 |
| rGALR1 | rGALR1 | rGALR1 | rGALR1 |

182 182 196

E D A R R R E D A R R R N Q L H K K

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Р А Р А Е Н

>>3

000

GALEL GALEL SNQTF

R Y R Y R D

· · · · ·

YGTV YGTV YQRL

hGALR3 rGALR3 rGALR1

3

FIGURE 5B

| 110 110 122 | 135 135 147 | 160 160 171 |
|--|--|----------------------------|
| I S S H | T L > | K K K |
| N N N | K K K | \ \ \ \ \ |
| HKKD | l l l | A L L |
| L K K II | A A S | > > . |
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| FFS | α α α | AAS |
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| 되도그 | AAA | LWR |
| A L L | AAA | AAA |
| 333 | | ZZZ |
| A A T | FFF | A R R R |
| D A W D A W P T W | मि मि | d d S |
| hGALR3 rGALR3 rGALR1 | hGALR3 rGALR3 rGALR1 | hGALR3 rGALR3 rGALR1 |

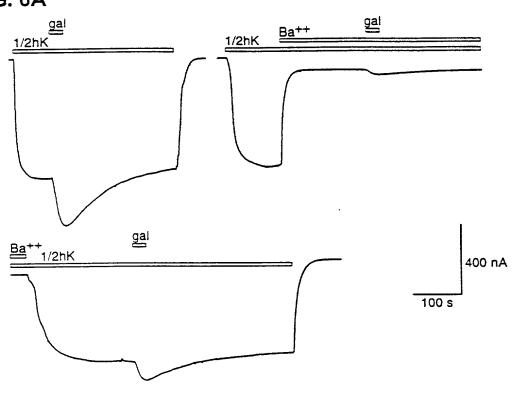
FIGURE 5C

| 207 | 232 | 257 | 282 |
|---|---|--|---|
| 207 | 232 | 257 | 282 |
| 221 | 242 | 267 | 292 |
| A L D V A T F A A G Y L L P V A V V S L A Y G R T A L D V A T F A A G Y L L P V A V V S L A Y G R T A Y V V C T F V F G Y L L P L L I C F C Y A K V | LRFLWAAVGPAGAAAAEARRATGR LCFLWAAVGPAGAAAAEARRATGR LNHLHKKLKNMSKKSEASKKK | AGRAMLAVAALYALCWGPHHALILC AGRAMLAVAALYALCWGPHHALILC TAQTVLVVVVFGISWLPHHVIH | FWYGRFAFSPATYACRLASHCLAYA FWYGRFAFSPATYACRLASHCLAYA A EFGAFPLTPASFFRITAHCLAYS A EFGAFPLTPASFFRITAHCLAYS |
| hGALR3 | hGALR3 | hGALR3 | hGALR3 |
| rGALR3 | rGALR3 | rGALR3 | rGALR3 |
| rGALR1 | rGALR1 | rGALR1 | rGALR1 |

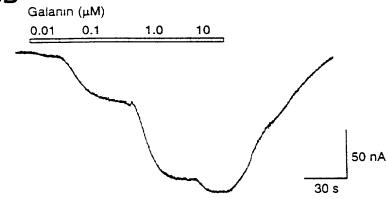
FIGURE 5D

| 307 307 317 | 329 332 342 | 354 350 346 | |
|---------------------------------------|-------------------------------|--|------------------|
| R L W P R L W P Q V F K | A S S G A S S G P S T N | я на | 368 |
| F F Y X X | В Р Д Р Т Р | 0 · · | EI O |
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| 22 22 22 | K K K | O · · | K K |
| F F 5 | ZLL | A · · | A |
| HHZ | A A X | J Z · | A S |
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| 112> | C H H | C K C | V L |
| 0 0 a | C G R C G R C R V | РР G РА G СТН | E G P G D A |
| & & & | G | P A T | G |
| N N N N N N N N N N N N N N N N N N N | $\circ \circ \circ$ | РС | E C |
| hGALR3 rGALR3 rGALR1 | hGALR3 rGALR3 rGALR1 | hGALR3 rGALR3 rGALR1 | hGALR3 rGALR3 |

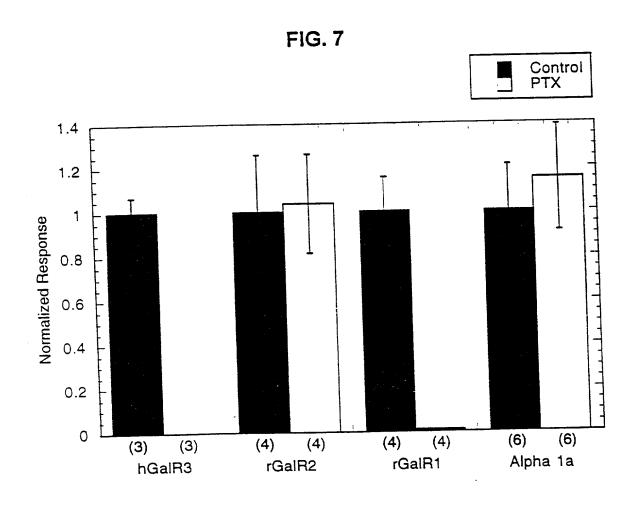
FIG. 6A











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FIG. 8A

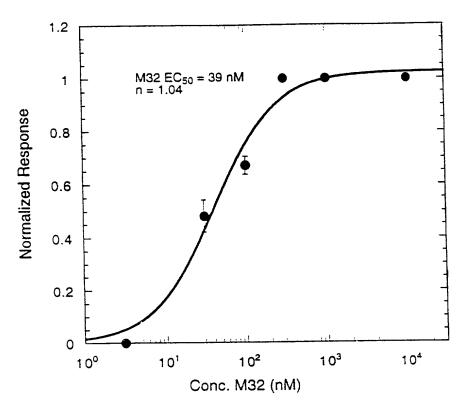
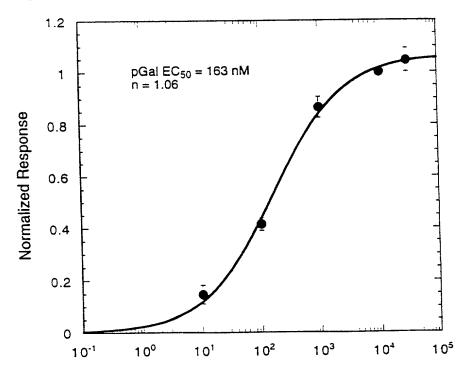
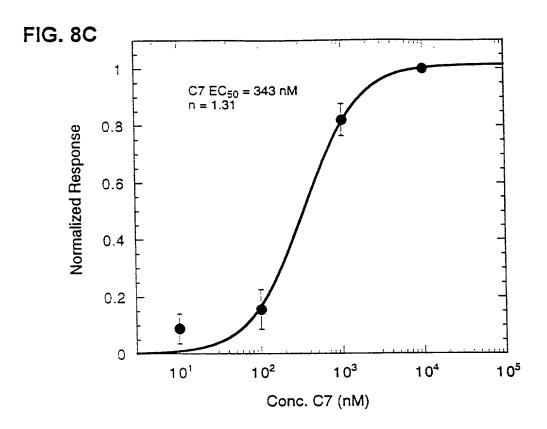
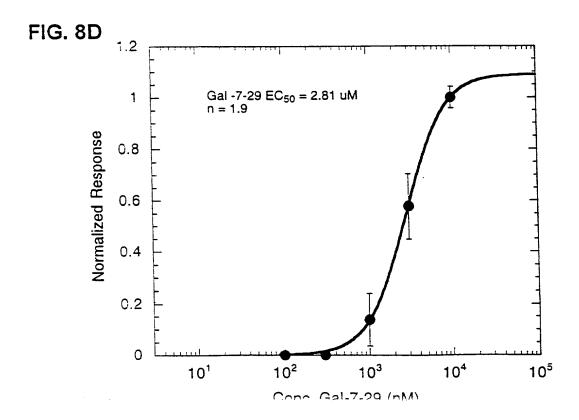
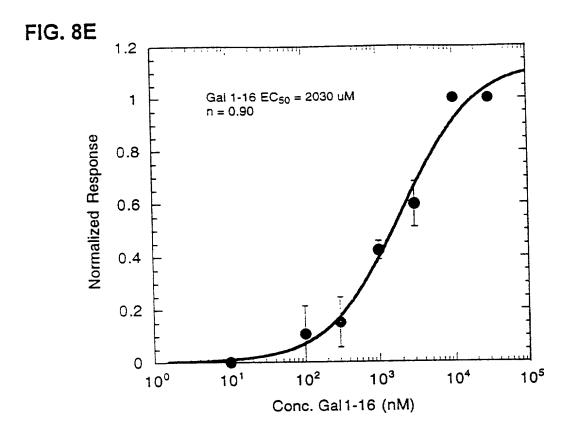


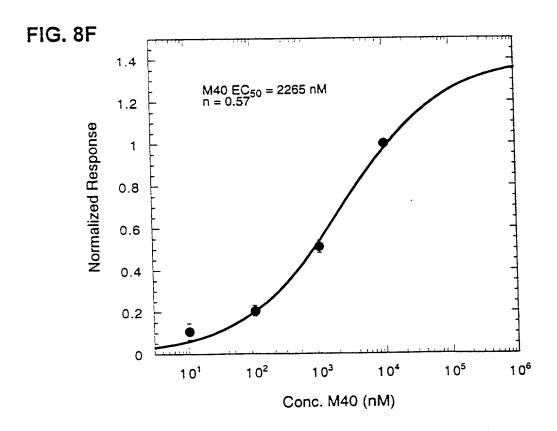
FIG. 8B

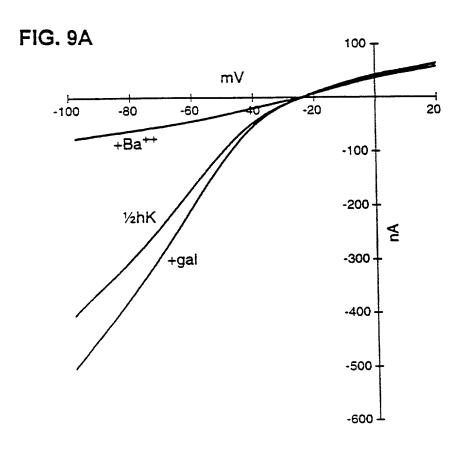


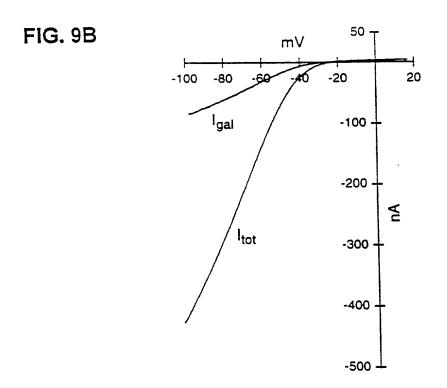
















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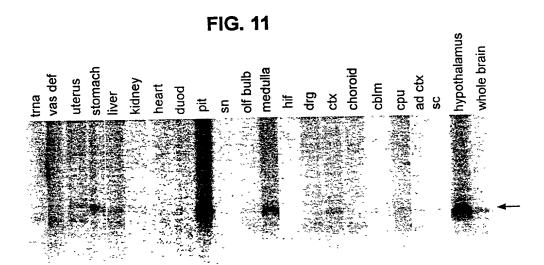


FIG. 12

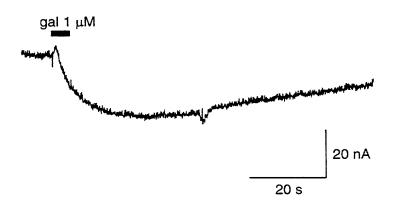


FIG. 13A

hGALR3-LM #228 +/- Pertussis Toxin

Guanine nucleotide effects

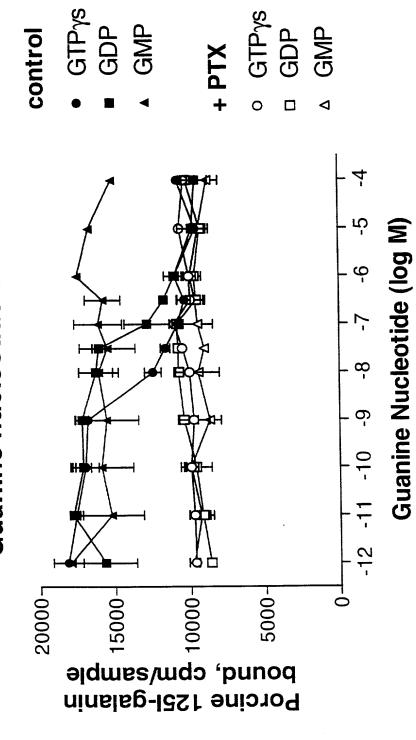


FIG. 13B Nonspecific Binding with 1 μ M p galanin

